

# **Table D V1103 Performance (from STS-11, 41C)**

# V1103 PERFORMANCE

EV-1  
(1043-8)

EV-2  
(1044-9)

B/U  
(1045-7)

Humidity  
Pressure

77.4°F  
17.6%  
14.25 psia

77.4°F  
17.6%  
14.25 psia

76.6°F  
17.6%  
14.25 psia

Fan ON  
IV Mode  
Fan OFF

03:11 GMT  
03:11 GMT  
03:22 GMT

03:34 GMT  
03:34 GMT  
03:53 GMT

00:24 GMT  
00:24 GMT  
00:36 GMT

## SCU Power

Battery Volts  
Battery Amps  
Fan RPM  
SOP Press  
CO<sub>2</sub> Conc.  
H<sub>2</sub>O Temp @ Full Cold  
Suit Pressure  
Bottle Pressure  
Airlock Pressure  
H<sub>2</sub>O Gas Pressure  
H<sub>2</sub>O Water Pressure

20.6V  
0 A  
20.0K  
6280 psi  
0.5 mmHg  
70°F  
0.7 psi  
552 psi  
14.3 psi  
15.1 psi  
14.8 psi

20.5V  
0 A  
19.6K  
6290 psi  
0.3 mmHg  
72°F  
0.7 psi  
862 psi  
14.3 psi  
14.5 psi  
14.6 psi

20.6V  
0 A  
19.5K  
6230 psi  
0.5 mmHg  
69°F  
0.8 psi  
815 psi  
14.3 psi  
14.7 psi  
14.6 psi

## Battery Power

Time EVA  
e Left  
Left  
Power Left  
Battery Volts  
Battery Amps  
Fan RPM  
SOP Pressure  
CO<sub>2</sub> Conc.  
H<sub>2</sub>O Temperature  
Suit Pressure  
Bottle Pressure  
Airlock Pressure  
H<sub>2</sub>O Gas Pressure  
H<sub>2</sub>O Water Pressure

0  
5:24 hrs  
67%  
100%  
17.5V  
2.8A  
19.8K  
6290 psi  
0.5 mmHg  
60°F  
0.7 psi  
616 psi  
14.3 psi  
15.1 psi  
14.8 psi

0  
7 hrs  
106%  
100%  
18.6V  
2.7A  
19.7K  
6290 psi  
0.3 mmHg  
62°F  
0.7 psi  
898 psi  
14.2 psi  
14.6 psi  
14.7 psi

0  
7 hrs  
103%  
100%  
18.9V  
2.5A  
19.5K  
6230 psi  
0.4 mmHg  
58°F  
0.8 psi  
879 psi  
14.3 psi  
14.7 psi  
14.6 psi

## Vent Mode

Display RPM  
SCU Volts  
SCU Amps

19.0K  
18.4V  
4.2A

19.5K  
18.4V  
4.1A

19.0K  
18.43V  
4.23A

V1103 PERFORMANCE

<u>No Vent Mode</u>	<u>EV-1</u> <u>(1043-8)</u>	<u>EV-2</u> <u>(1044-9)</u>	<u>B/U</u> <u>(1045-7)</u>
Display RPM	20.0K	19.7K	19.5K
SCU Volts	18.4V	18.5V	18.43V
SCU Amps	2.2A	2.7A	2.46A
Regulator Check (DCM)	4.2 psi	4.3 psi	4.3 psi
SOP Check (DCM)	6290 psi	6290 psi	6240 psi
SOP Gage	6200 psi	6200 psi	6200 psi
Suit Pressure	3.5 psi	3.6 psi	3.7 psi
Bottle Top Off	912 psi	925 psi	929 psi